

Title (en)
VEHICLE AND NON-CONTACT POWER SUPPLY SYSTEM

Title (de)
FAHRZEUG UND KONTAKTLOSES ENERGIEVERSORGUNGSSYSTEM DAFÜR

Title (fr)
VÉHICULE ET SYSTÈME D'ALIMENTATION ÉLECTRIQUE SANS CONTACT

Publication
EP 2709233 B1 20180801 (EN)

Application
EP 12782758 A 20120510

Priority
• JP 2011107570 A 20110512
• JP 2011107571 A 20110512
• JP 2012062020 W 20120510

Abstract (en)
[origin: EP2709233A1] A vehicle (3, 3A) is provided with: a power receiving coil (3a) that is provided so as to face a ground power supply coil (2a) and that receives electric power from the ground power supply coil (2a); a storage battery (3d) that stores the electric power received by the power receiving coil (3a); and a power supply coil (3f) that supplies the electric power received by the power receiving coil (3a) to the outside. A transporting system is provided with: a plurality of travel tracks (1A, 1B) along which the plurality of vehicles (3, 3A) travel; and power transfer areas (Ka, Kb) where a vehicle (3, 3A) traveling along a travel track (1A) and a vehicle (3, 3A) traveling along another travel track (1B) are able to mutually transfer electric power to each other.

IPC 8 full level
H02J 50/10 (2016.01); **B60L 5/00** (2006.01); **B60L 11/18** (2006.01); **B60M 7/00** (2006.01); **H02J 5/00** (2016.01); **H02J 7/00** (2006.01); **H02J 7/02** (2016.01); **H02J 50/40** (2016.01); **H02J 50/80** (2016.01); **H02J 50/90** (2016.01)

CPC (source: EP US)
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Cited by
WO2019192995A1; US11338693B2; WO2018050440A1

Designated contracting state (EPC)
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EP 2709233 A1 20140319; **EP 2709233 A4 20160323**; **EP 2709233 B1 20180801**; CN 103748761 A 20140423; CN 103748761 B 20180911; US 2014062384 A1 20140306; US 9481258 B2 20161101; WO 2012153807 A1 20121115

DOCDB simple family (application)
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